Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: METALUX

Report Number: P1213537

Luminaire Tested: 4SNLED-LD5-80SL-UNV-L935-CD1-U

Issue Date: 3/29/2018

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1213537
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27410)
Test Lab:	INNOVATION CENTER-P2
Issue Date:	3/29/2018
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	4SNLED-LD5-80SL-UNV-L935-CD1-U
Description:	4FT LINEAR SNLED LED FIXTURE
	OPEN LED STIP
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6695.0 lumens
Efficiency:	N/A
Efficacy:	95.6 lumens/watt
Spacing Criteria (0/90/45):	1.3 / 1.29 / 1.41
Luminous Opening:	Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type:	Direct

Input Watts (W):	70
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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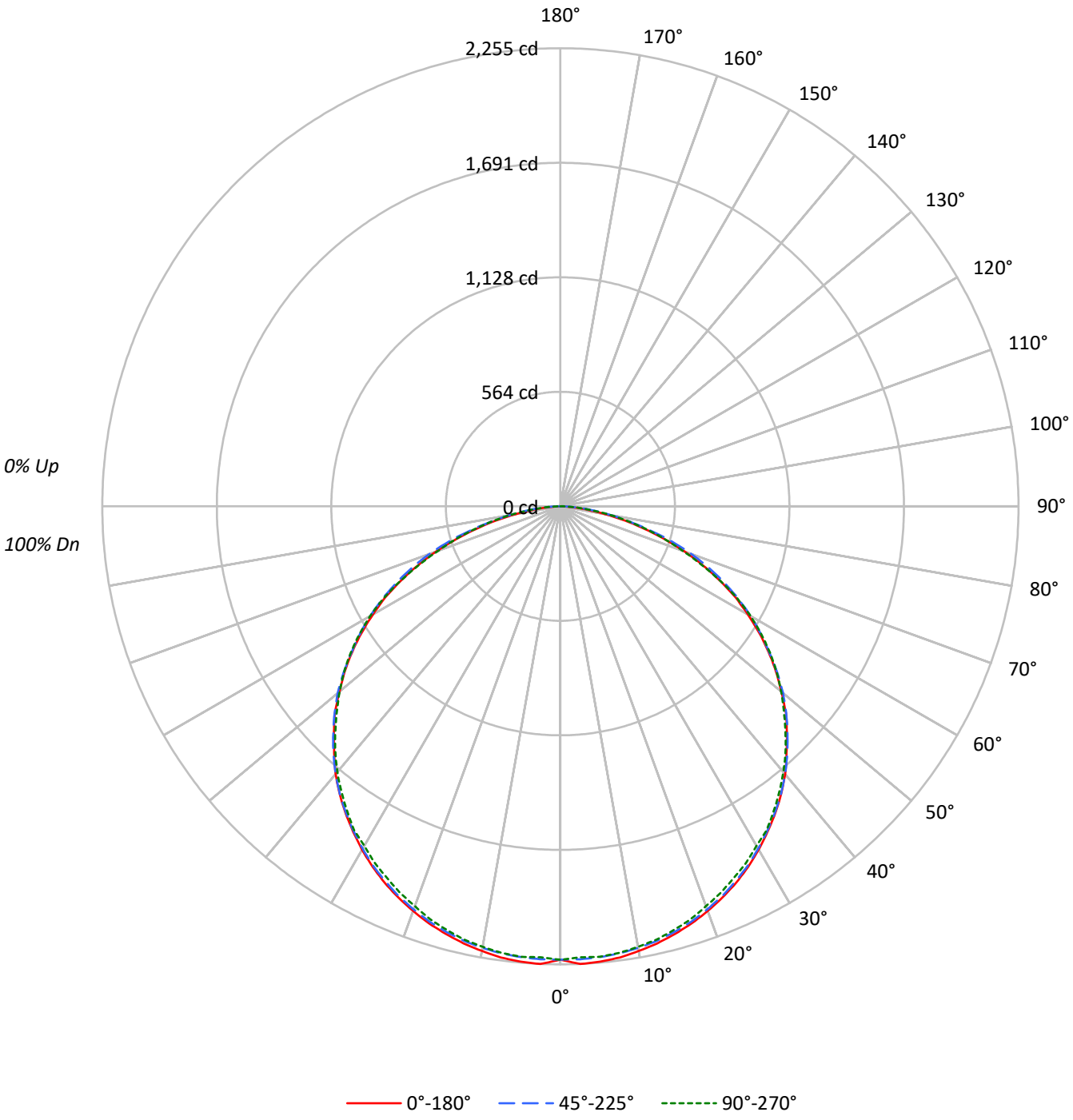
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18035	18035	18035
5°	18199	17624	17484
10°	18140	17238	16945
15°	18082	16851	16415
20°	18030	16438	15848
25°	17978	16023	15321
30°	17893	15578	14800
35°	17802	15116	14301
40°	17696	14621	13703
45°	17472	14034	13017
50°	17205	13396	12320
55°	16876	12541	11568
60°	16332	11673	10586
65°	15535	10544	9207
70°	14159	9060	7465
75°	12026	6915	5738
80°	8985	4553	3761
85°	4646	2217	1679

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 17472 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.8	3.2
10°-20°	610.9	9.1
20°-30°	935.1	14.0
30°-40°	1145.7	17.1
40°-50°	1211.8	18.1
50°-60°	1118.5	16.7
60°-70°	863.3	12.9
70°-80°	479.2	7.2
80°-90°	118.7	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1757.8	26.3
0°-40°	2903.5	43.4
0°-60°	5233.8	78.2
0°-90°	6695.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6695.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2232	2232	2232	2232	2232	
5°	2250	2221	2227	2222	2226	214
15°	2179	2154	2169	2162	2159	616
25°	2046	2021	2038	2020	2019	943
35°	1844	1824	1841	1821	1831	1154
45°	1577	1562	1581	1564	1567	1217
55°	1251	1241	1256	1255	1261	1117
65°	867	858	891	886	869	855
75°	430	456	459	458	441	456
85°	68	100	102	104	96	91
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*2231.8*	2231.8	2231.8	2231.8	2231.8
2.5°	*2255.2*	*2226.2*	*2231.8*	*2228.5*	*2221.8*
5°	*2249.6*	2220.7	2227.3	2221.8	2226.2
7.5°	*2240.7*	2209.5	2220.7	2212.9	2217.3
10°	*2222.9*	2196.1	2207.3	2198.4	2201.7
12.5°	*2203.9*	2176.1	2191.7	2180.5	2185.0
15°	*2179.4*	2153.8	2169.4	2161.6	2159.4
17.5°	*2152.7*	2128.2	2143.8	2134.9	2131.5
20°	*2120.4*	2097.0	2111.5	2098.1	2094.7
22.5°	*2084.7*	2061.3	2078.0	2059.1	2060.2
25°	*2045.7*	2021.2	2037.9	2020.1	2019.0
27.5°	*2001.2*	1977.8	1995.6	1976.6	1978.9
30°	*1952.1*	1928.7	1946.6	1927.6	1929.8
32.5°	*1898.6*	1879.7	1895.3	1877.5	1889.7
35°	*1844.0*	1824.0	1840.7	1820.6	1830.7
37.5°	*1785.0*	1766.0	1783.9	1761.6	1770.5
40°	*1721.5*	1704.8	1720.4	1700.3	1708.1
42.5°	*1647.9*	1637.9	1653.5	1633.5	1640.1
45°	*1576.6*	1562.1	1581.1	1564.4	1566.6
47.5°	*1505.3*	1489.7	1507.5	1493.1	1491.9
50°	*1419.5*	1414.0	1430.7	1419.5	1418.4
52.5°	*1338.2*	1327.0	1344.9	1339.3	1342.6
55°	*1251.3*	1241.2	1255.7	1254.6	1261.3
57.5°	*1161.0*	1151.0	1169.9	1167.7	1173.3
60°	*1065.2*	1057.4	1081.9	1076.3	1080.8
62.5°	*971.6*	957.1	988.3	983.9	981.6
65°	*866.9*	858.0	891.4	885.8	869.1
67.5°	*758.8*	755.4	790.0	778.8	751.0
70°	*650.7*	652.9	686.4	665.2	641.8
72.5°	*537.1*	553.8	573.8	558.2	541.5
75°	*430.1*	455.7	459.1	457.9	441.2
77.5°	*325.4*	357.7	349.9	357.7	344.3
80°	*227.3*	263.0	257.4	264.1	252.9
82.5°	*140.4*	172.7	173.8	178.3	168.2
85°	*68.0*	100.3	102.5	103.6	95.8
87.5°	*14.5*	46.8	47.9	44.6	39.0
90°	*0.0*	0.0	0.0	0.0	0.0

(END OF REPORT)